

## TABLE OF CONTENTS

AHMED, A. H. and B. D. TAPLEY / Equivalence of the Generalized Lie-Hori Method and the Method of Averaging	1
BARBANIS, B. / The Stochastic Behaviour of a Galactic Model Dynamical System	385
BREAKWELL, J. V. and R. VON ESHLEMAN / Further Investigation into a Recent Model for Toroidal Rings of Saturn	229
CARANICOLAS, N. / Periodic Orbits in a Resonant Dynamical System	209
CARTIGNY, P., N. DESOLNEUX, et A. HAYLI / Orbites périodiques dans un potentiel à trois dimensions. II: Bifurcations (Periodic Orbits in a Three-Dimensional Potential. II: Bifurcations)	217
CRAWFORD, L. L., <i>see</i> Hoots, F. R. <i>et al.</i>	
DANBY, J. M. A. / Two Notes on the Copenhagen Problem. I: Asymptotic Branches from $L_4$	251
DANBY, J. M. A. / The Evolution of Periodic Orbits Close to Heteroclinic Points	261
DESOLNEUX, N., <i>see</i> Cartigny, P. <i>et al.</i>	
DOUBOCHINE, G. N. / Cas spécial du problème restreint des trois corps (Special Cases of Restricted Three-Body Problems)	21
DOUBOCHINE, G. N. / Sur le problème des trois corps solides (On the Problem of Three Rigid Bodies)	31
ERZHANOV, ZH. S. and A. A. KALYBAEV / On a New Method of Qualitative Investigation of a Gravitating System Motion Stable According to Lagrange	169
FOX, K. / Numerical Integration of the Equations of Motion of Celestial Mechanics	127
GONZALEZ-GASCON, F., A. GONZALEZ-LOPEZ, and P. J. PASCUAL-BRONCANO / On Szebehely's Equation and Its Connection with Dainelly's Whittaker's Equations	85
GONZALEZ-LOPES, A., <i>see</i> Gonzalez-Gascon, F. <i>et al.</i>	
HAYLI, A., <i>see</i> Cartigny, P. <i>et al.</i>	
HENON, M., <i>see</i> Mignard, F.	
HOOTS, F. R., L. L. CRAWFORD, and R. L. ROEHRICH / An Analytic Method to Determine Future Close Approaches between Satellites	143
HOREDT, G. P. / Trojan Orbits with Mass Exchange of the Primaries	367
KALYBAEV, A. A., <i>see</i> Erhanov, Zh. S.	
LI, T. and R. W. LONGMAN / Optimal Configurations for Dual-Spin Satellites. Subject to Gravitational Torques	319
LONGMAN, W., <i>see</i> Li, T.	
MARCHAL, C., J. YOSHIDA, and YI-SUI SUN / A Test of Escape Valid Even for Very Small Mutual Distances. I: The Acceleration and the Escape Velocities of the Third Body	193
MARTÍNEZ ALFARO, J. / Collision Orbits in the Oblate Planet Problem	375
MIGNARD, F. and M. HENON / About an Unsuspected Integrable Problem	239
MOORE, P. / A Problem of Libration with Two Degrees of Freedom	49
PASCUAL-BRONCANO, P. J., <i>see</i> Gonzalez-Gascon, F. <i>et al.</i>	
ROEHRICH, R. L., <i>see</i> Hoots, F. R. <i>et al.</i>	

### TABLE OF CONTENTS

SAARI, D. G. / From Rotations and Inclinations to Zero Configurational Velocity Surfaces: I: A Natural Rotating Coordinate System	299
SERAFIN, R. A. / Laplace's Problem in Mathematical Aspect	71
SHNOL, E. E. / On the Stability of Equilibria of Hamiltonian Systems near the Main Resonances	159
STELLMACHER, I. / Etude analytique du voisinage de la résonance 4:4:1 dans les systèmes à trois degrés de liberté (The Resonance 4:4:1 for Hamiltonian Systems with Three Degrees of Freedom)	343
TAPLEY, B. D., <i>see</i> Ahmed, A. H.	
TUPIKOVA, I. V. / Account of Additional Perturbations in Canonical System Solutions Obtained by Lie Transforms	337
VON ESHLEMAN, R., <i>see</i> Breakwell, J. V.	
WHIPPLE, A. L. / Equilibrium Solutions of the Restricted Problem of 2+2 Bodies	271
YI-SUI, SUN / Invariant Manifolds in the Measure-Preserving Mappings with Three-Dimensions	111
YI-SUI, SUN, <i>see</i> Marchal, C. <i>et al.</i>	
YOKOYAMA, T. / Reappearance of Ordered Motions in Strongly Nonlinear Hamiltonian Systems	99
YOSHIDA, J., <i>see</i> Marchal, C. <i>et al.</i>	
Book Review:	
W. Fricke and G. Teleki (eds.), <i>Sun and Planetary System</i> (PAUL NACOZY)	295
Editorial Announcement	
Publisher's Note	
Errata	297

